BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

AME OF WORK : IMPROVEMENTS TO ROADS AND DRAINS AT PRAKRUTI LAYOUT IN KENCHENAHALLI LAGE IN WARD NO.02 OF YELAHANKA SUB DIVISION

						Estimate Cost Rs.	20.00	Lakhs
Description of Item	**Unit**	**No.**	**L**	**B**	**D**	**Qty.**	**Rate**	**Amount**
KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)KPWD S.R 2016-17								
Prakruthi layout	Cum							
for Drain		2	133.00	0.80	1.00	212.80		
					Total Qty	**212.80**	222.38	**47321.91**
Basic Rate	189.00							
AD-HOC 11%	20.79							
Sub-Total	209.79							
Area Weightage @ 6%	12.59							
Total	**222.38**							
KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, lumping, turning for return trip, excluding time for haulage and return trip complete as per pecifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
	Cum							
		Qty Vide Item No.1				**212.80**	111.00	**23621.00**
verage Weight of Earth 1.28 onne/Km								
asic Rate Lead Charges for 0.00 Kms (2.50X1.28X10.00)	32.00							
dd loading and unloading Item o 17.1)	68.00							
Sub-Total	100.00							
AD-HOC 11%	11.00							
Total	**111.00**							
SRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 th OPC cement @ 180kgs, with 40mm and down size graded granite metal arse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, ncrete laid in layers not exceeding 15 cms. thick, well compacted, in undation and plinth, including cost of all materials, labour, HOM of machinery, ring complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
rakruthi layout	Cum							

	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	for Drain		2	133.00	0.80	0.15	31.92		
					Total Qty		**31.92**	5726.51	**182790.27**
	Basic Rate	4867.00							
	AD-HOC 11%	535.37							
	Sub-Total	5402.37							
	Area Weightage @ 6%	324.14							
	Total	**5726.51**							
	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC cement at 300kgs. with 20mm and down size granite metal coarse aggregates at 0.69cum and fine aggregates at 0.43cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No.1500, 1700, 2200. -do- Wall and bottom thickness 15cm (P.No.265 / It.No.37.59.2)								
	for Drain	Cum							
	bed		2	133.00	0.80	0.15	31.92		
	side wall		4	133.00	0.15	0.60	47.88		
					Total Qty		**79.80**	12246.05	**977235.01**
	Basic Rate	10408.00							
	AD-HOC 11%	1144.88							
	Sub-Total	11552.88							
	Area Weightage @ 6%	693.17							
	Total	**12246.05**							
	SRB 4.9.2:Providing T.M.T steel reinforcement for R.C.C work including traightening, cutting, bending, hooking, placing in position, lapping and / or elding wherever required, tying with binding wire and anchoring to the adjoining embers wherever necessary complete as per design (laps, hooks and wastage hall not be measured and paid) cost pf materials, labour, HOM of machinery omplete as per specifications.Specification No. KBS 4.6.3-do-TMT Bars Fe 500 .17/It.No.4.46.2 (rates effects from 01-07-2017)								
		tonne							
		60% of Qty Vide item No.5				in Qtl	47.880		
						in tonne	**4.788**	71310.20	**341433.22**
	Basic Rate	60607.00							
	AD-HOC 11%	6666.77							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Sub-Total	67273.77							
Area Weightage @ 6%	4036.43							
Total	**71310.20**							
Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
covering slab	Sqm							
		2	133.00	0.75		199.50		
				Total Qty		**199.50**	2100.00	**418950.00**
Data Rate	**2100.00**							
Miscellaneous and unforeseen charges	LS							**8649.00**
				Grand Total Amount				**2000000.00**
(Rupees Twenty Lakhs Only)								

TIFICATE

The site has been inspected and the work is found to be necessary.
The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
The provisions were made in this estimate are necessary and adequate.
The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.02

Executive Engineer
Yelahanka Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Administrative Approval

Accorded For ..Rs: 20.00 Lac
Head of A/C...P.1771
CER NO :..243.... Dt:08.02.18

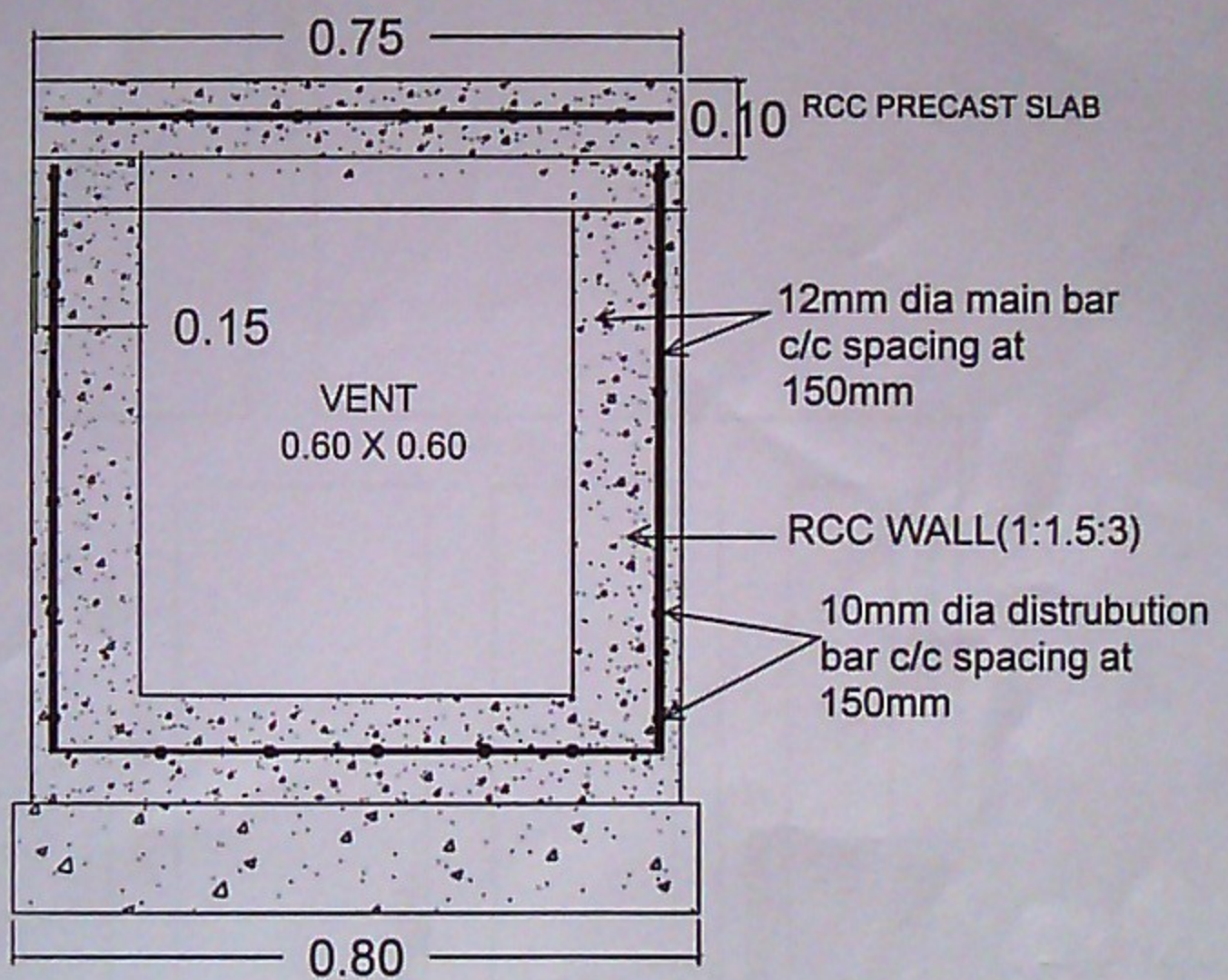
TA

CE (YNK)

TECHNICALLY SANCTIONED FOR Rs. 20.00 Lac
Rupees ...Twelve Lakhs -
-only-
Under ...P.1771 - 2017-18
Registered as CE ( ) No. ... 99
Subject to conditions contained in
enclosed memo EE ( ) No. ... /9/
Dt.....
EE/YNK/TS/GR/17-18
Dated ...16.02.2018

Executive Engineer

NAME OF WORK : IMPROVEMENTS TO ROADS AND DRAINS AT PRAKRUTI LAYOUT IN KENCHENAHALLI VILLAGE IN WARD NO.02 OF YELAHANKA SUB DIVISION



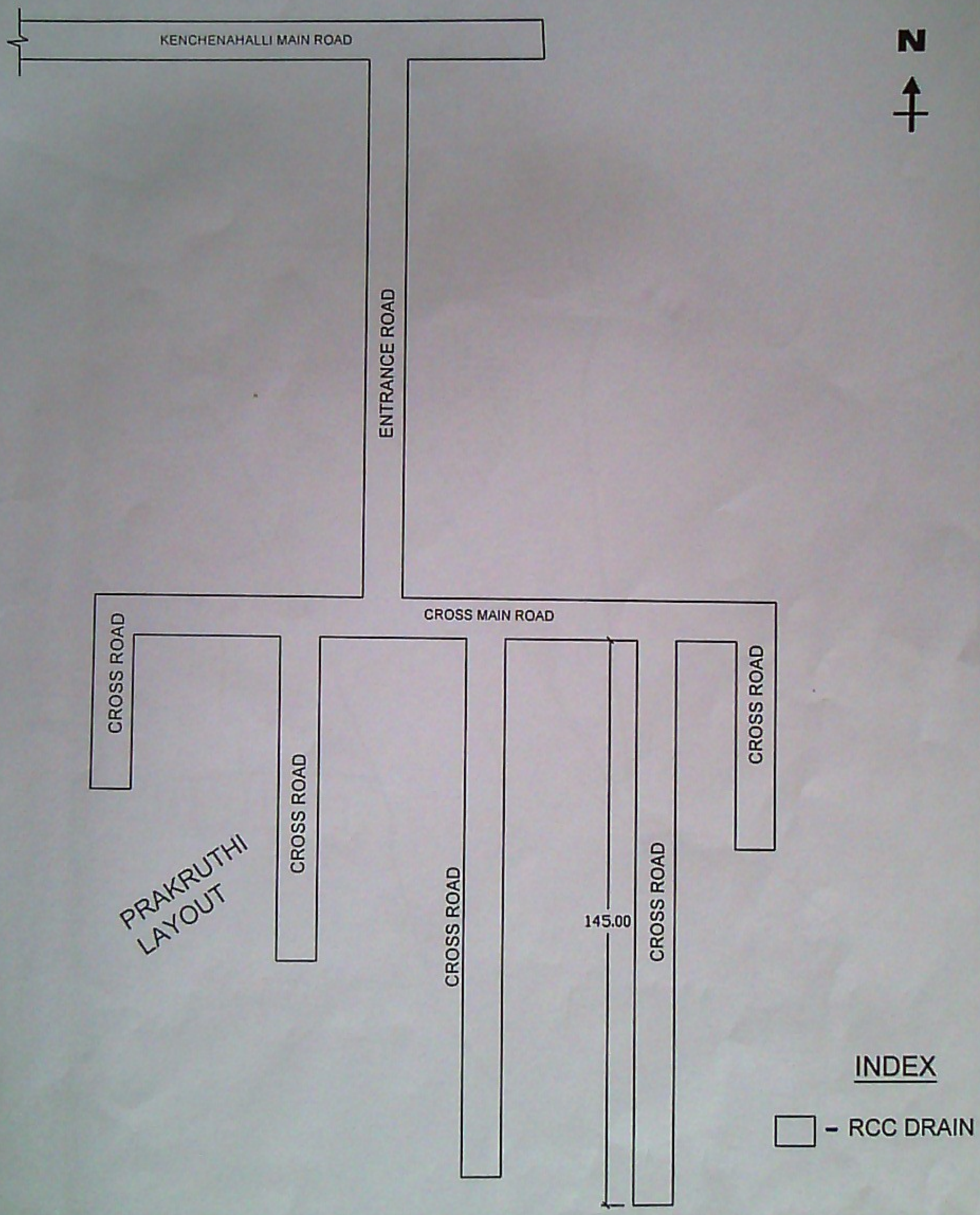
TYPICAL CROSS SECTION OF RCC DRAIN

AE-02

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

AME OF WORK: IMPROVEMENTS TO ROADS AND DRAINS AT PRAKRUTI LAYOUT IN KENCHENAHALLI VILLAGE IN WARD NO.02 OF YELAHANKA SUB DIVISION

KEY : NOT TO SCALE



Assistant Engineer
Ward No.02
B B M P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

YELAHANKA ZONE
WARD 2-CHOWDESHWARI WARD

Major Road
Intermediate Road
Minor Road

AE-02

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore